

# **BACKUP POWER**

## **BK-01**

**MANUAL BOOK**

**CONTROLLED COPY**

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PT. SINKO PRIMA ALLOY

SURABAYA - INDONESIA

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## Bab 1 Main Technical Specifications of Backup Power

### 1.1 Normal working environment Operating environment

- a) Temperature : 5°C ~ 40°C
- b) Relative humidity: 15% ~ 93%
- c) Atmospheric pressure : 700 hPa ~ 1060 hPa

### 1.2 Storage and Displacement

- a) Ambient temperature : -25°C ~ 70°C
- b) Relative humidity : ≤ 93% RH
- c) Atmospheric pressure : 700 hPa ~ 1060 hPa

### BACKUP POWER Specifications

Input voltage	:	220 Volt AC
Input frequency range	:	50/60 Hz
Maximum load	:	100 Watt
Output voltage	:	220 Volt AC
Output frequency range	:	50/60 Hz
Output signal	:	Modified Sine Wave
Battery charging current	:	5 Ampere

## **Bab 2. Security Warning**

- 2.1 Read and understand the manual before use.
- 2.2 Keep the unit out of the fire.
- 2.3 Make sure the unit load is below or equal to the maximum load of the unit.
- 2.4 Once the use is complete, please unplug the power cord from the power mesh, to avoid unwanted things.

## **Bab 3. Maintenance Regulations**

- 3.1 Under normal conditions use according to the Unit Usage Instructions, if this unit has some problems, please contact our customer service. The company has sales records and customer records for each unit that gets a one-year service warranty from the initial date of purchase depending on conditions and time.
- 3.2 Although in the free maintenance period, we charge for repairs for the following reasons:
  - a. Errors in use caused by operation outside the instruction manual of the unit. (damaged by being hit, fall, or other error; not working the unit due to exposure to water or other errors)
  - b. The error caused to fall when the user has already left the purchase location.
  - c. Mistakes in preparation, reconstruction, decomposition and others are outside of our company's standards.
  - d. Damage caused by natural disasters for example: fires, floods, earthquakes and others.
  - e. Damage caused by the rise and fall of electrical voltage drastically or outside the standard voltage provisions of the unit.
- 3.3 During the warranty period, replacement is free for parts for one year. Except power cables, instructions for use and packing load.
- 3.4 Free maintenance service will be cancelled if we find a broken seal.
- 3.5 For maintenance costs outside the warranty period, our company recommends continuing to use "Periodic Maintenance Contact".

## **Bab 4. Pay attention before Operation**

- 4.1 Please read these instructions carefully before operating to ensure the unit can be used safely and effectively.
- 4.2 Installation and maintenance of the tool should be carried out following these instructions for use.
- 4.3 This unit should be placed in a flat place. Place it in a bright spot when it is about to be moved. Avoid vibrations and shocks that are too strong.
- 4.4 Ac frequency and voltage value must be in accordance with the needs, and have sufficient current capacity.
- 4.5 Check all the equipment, whether it is installed properly and properly and in accordance with its place.

## **Bab 5. Grounding and Power Connection Backup Power**

### **Grounding:**

- 5.1 Connect the unit to the ground and power outlet via a three-lane power cord (three-wire plug). The three-wire plug must be inserted into the three-wire cable outlet correctly.
- 5.2 If a three-wire outlet is not available, an eligible electrician must install one unit in accordance with KONSUIL or AKLI rules in Indonesia.
- 5.3 Under no circumstances should the grounding conductor release from the electric outlet.
- 5.4 Do not use any connection cables or adapters of any type. Power lines and outlet must be intact and not damaged.
- 5.5 Do not use duct pipes and others as grounding.
- 5.6 Proper grounding can ensure safety and guard against interference with AC power and electromagnetic waves.

## **Power Connection to Backup Power**

- 5.7 Make sure the AC power supply matches the specifications.
- 5.8 Connect the power cord/ outlet from the unit to the grounded/grounded outlet properly.
- 5.9 Make sure the Charge/Full indicator light is on.
- 5.10 If the Indicator is green indicating a full battery, please remove the power cord from the power source.
- 5.11 If the power cord is not fully connected before operating the unit, it is possible that the unit does not work perfectly due to inefficient power input.

## **Bab 6. Backup Power Operation**

- 6.1 Connect the Backup Power, power cord to a grounded power source. The red charge indicator indicates the battery is charging, while the green indicator indicates that the battery is full.
- 6.2 Connect the tool unit to the Backup Power unit outlet.
- 6.3 Press the Backup Power switch to the ON position, then Backup Power will supply to the appliance unit if the power is off. Then the inverter indicator will light up in red.
- 6.4 When you are finished using, turn off and unplug the power cord of the appliance unit and the Backup Power unit.

## **Bab 7. Troubleshooting User Annoyance**

No	Problem	Solution
1	Charge/Full indicator does not turn on.	<ul style="list-style-type: none"><li>- Check electrical connections</li><li>- Check the voltage of the normal power source or not</li></ul>
2	When the listic is off, the inverter indicator does not turn on.	<ul style="list-style-type: none"><li>- Make sure the switch is in the ON position</li><li>- Check the battery whether it runs out or not, by connecting to a backup power source, the charge indicator is on or not.</li></ul>

## **Bab 8. Maintenance**

- 8.1 Buyers are not permitted to open or disassemble the contents in the unit. Any maintenance or renewal must be done by a trained person and authorized professional of PT. Sinko Prima Alloy. Maintenance should be carried out with the original components of PT. Sinko Prima Alloy.
- 8.2 Please withdraw the outlet power supply when the power supply is about to be turned off. If this unit is not used for a long period of time, please withdraw the outlet power supply from the power source, then put the unit in a shady, cold and dry place.
- 8.3 The unit should be maintained and cleaned tur.

### **How to clean Backup Power as follows:**

- a. First of all the power cord must be removed from the power source.
- b. Prepare a cloth containing clean water without cleaning agents then rub evenly throughout the unit.
- c. Use a dry and clean cloth to dry, until the whole unit is completely dry and clean



**PT. SINKO PRIMA ALLOY**

TAMBAK OSOWILANGUN NO.61  
PERGUDANGAN OSOWILANGUN PERMAI BLOK E7-E8  
SURABAYA - 60191  
TLP. 031-7492882, 74828816, 7482835  
[sinkoprima@gmail.com](mailto:sinkoprima@gmail.com)  
[teknik.sinkoprima@gmail.com](mailto:teknik.sinkoprima@gmail.com)  
Website: <http://www.elitech.co.id>

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